

● PRINTER RUSH ●

(PTO ASSISTANCE)

Application : <u>10/652,586</u>	Examiner : <u>Hook</u>	GAU : <u>3752</u>
From: <u>NPB</u>	Location: <u>IDC</u> FMF FDC	Date: <u>11/13/04</u>
IFW(E) Tracking #: <u>06006782</u>		Week Date: <u>9/6/04</u>

DOC CODE	DOC DATE	MISCELLANEOUS <i>(bib/specs)</i>
<input type="checkbox"/> 1449	_____	<input checked="" type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
<input type="checkbox"/> CLM	_____	<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW	_____	<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW	_____	<input type="checkbox"/> Other
<input type="checkbox"/> DRW	_____	
<input type="checkbox"/> OATH	_____	
<input type="checkbox"/> 312	_____	
<input type="checkbox"/> SPEC	_____	

[RUSH] MESSAGE:

Serial No. 10/454,742 is listed on palm/bib sheet under continuing data, but no relationship given.

If continuing data, please amend bib sheet and specification showing the relationship of Serial No. 10/454,742 (CON, DN OR CIP).

Thank you *AMM.*

[XRUSH] RESPONSE: _____

INITIALS:

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04



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BIBDATASHEET

Bib Data Sheet

CONFIRMATION NO. 9136

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SERIAL NUMBER 10/652,586	FILING DATE 08/29/2003 RULE	CLASS 138	GROUP ART UNIT 3752	ATTORNEY DOCKET NO. 2267.854US01	
APPLICANTS Charles W. Extrand, Minneapolis, MN; Michael Wright, Greenwood, MN; ** CONTINUING DATA ***** This appln claims benefit of 60/462,963 04/15/2003 10/454,742 6/03/2003 <i>→ CON. DIV of OP?</i> ** FOREIGN APPLICATIONS ***** none <i>JA</i> IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 11/20/2003					
Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no 35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after met <i>Allowance</i> Verified and <i>James H. Hall</i> Acknowledged <i>Examiner's Signature</i> Initials		STATE OR COUNTRY MN	SHEETS DRAWING 8	TOTAL CLAIMS 26	INDEPENDENT CLAIMS 3
ADDRESS 24113 PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A. 4800 IDS CENTER 80 SOUTH 8TH STREET MINNEAPOLIS, MN 55402-2100					
TITLE Microfluidic device with ultraphobic surfaces					
FILING FEE RECEIVED	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue)		

MICROFLUIDIC DEVICE WITH ULTRAPHOBIC SURFACES

RELATED APPLICATIONS

This application claims the benefit of U.S. Provisional Patent Application Serial No. 60/462963, entitled "Ultrapophobic Surface for High Pressure Liquids", filed April 15, 2003, hereby fully incorporated herein by reference. This application further claims the benefit of U.S. Utility Patent Application Serial No. 10/454,742 entitled "Fluid Handling Component With Ultrapophobic Surfaces", filed June 3, 2003, also hereby fully incorporated herein by reference.

CON, DN OR CIP?

FIELD OF THE INVENTION

This invention relates generally to microfluidic devices, and more specifically to a microfluidic device having ultraphobic fluid contact surfaces.

BACKGROUND OF THE INVENTION

There has been much recent interest and effort directed to developing and using microfluidic devices. Microfluidic devices have already found useful application in printing devices and in so-called "lab-on-a-chip" devices, wherein complex chemical and biochemical reactions are carried out in microfluidic devices. The very small volumes of liquid needed for reactions in such a system enables increased reaction response time, low sample volume, and reduced reagent cost. It is anticipated that a myriad of further applications will become evident as the technology is refined and developed.